

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1.--11. (Cancelled)

12. (Currently Amended) ~~A~~ ~~An insulated~~ boxcar comprising:
a box structure defined in part by a pair of sidewall assemblies, a pair of endwall assemblies, a floor assembly and a roof assembly;
the floor assembly mounted on a railway car underframe;
the sidewall assemblies mounted on the railway car underframe adjacent to opposite sides of the floor assembly;
each sidewall assembly having an interior surface and an exterior surface with insulating materials disposed therebetween;
a plurality of support posts disposed between the interior surface and the exterior surface of each sidewall assembly;
the interior surface of each sidewall assembly attached to respective first surfaces of the support posts;
a beam, formed from thermal isolating material, attached to a second surface of each support post opposite from the interior surface of the associated sidewall assembly;
the exterior surface of each sidewall assembly disposed adjacent to and attached to the ~~I-beams~~ respective beams opposite from the associated support posts;
a plurality of pockets formed within the interior surface of each sidewall assembly;
each pocket disposed adjacent to one of the support posts; ~~[[and]]~~
a cargo anchor disposed within each pocket and securely engaged with the respective sidewall assembly~~[[.]]~~ ;
respective anchor restraints extending longitudinally along opposite sides of the floor assembly;

each anchor restraint disposed adjacent to one of the sidewall assemblies proximate a respective longitudinal joint between the sidewall assembly and the floor assembly; and

cargo anchors disposed within the floor assembly only at locations proximate a respective opening in each sidewall assembly.

13. (Currently Amended) The ~~insulated~~ boxcar of Claim 12 further comprising the support posts formed from materials selected from the group consisting of steel alloys, aluminum alloys and composite materials.

14. (Currently Amended) The ~~insulated~~ boxcar of Claim 12 further comprising each beam having an I-beam type cross-section and each support post having a hat type cross section.

15. (Currently Amended) The ~~insulated~~ boxcar of Claim 12 further comprising:
~~respective anchor restraints extending longitudinally along opposite sides of the floor assembly;~~

~~each anchor restraint disposed adjacent to one of the sidewall assemblies proximate a respective longitudinal joint between the sidewall assembly and the floor assembly;~~

a plurality of openings formed in each anchor restraint;
the openings sized to receive cargo anchor assemblies; and
enclosures disposed within each sidewall assembly adjacent to the openings in the respective anchor restraint.

16. (Currently Amended) ~~A~~ ~~An insulated~~ boxcar comprising:

a box structure defined in part by a pair of sidewall assemblies, a pair of endwall assemblies, a floor assembly and a roof assembly;

the floor assembly mounted on a railway car underframe;

the sidewall assemblies mounted on the railway car underframe adjacent to opposite sides of the floor assembly;

~~each sidewall assembly having an interior surface and an exterior surface with insulating materials disposed therebetween;~~

a plurality of support posts disposed between the interior surface and the exterior surface of each sidewall assembly;

each support post having a first surface and a second surface;

~~the exterior surface of each sidewall assembly attached to second surfaces of the respective support posts;~~

~~thermal isolating material disposed between the first surface of each support post and adjacent portions of the interior surface of each sidewall assembly;~~

a plurality of pockets formed within the interior surface of each sidewall assembly;

each pocket disposed adjacent to one of the support posts; ~~[[and]]~~

a cargo anchor disposed within each pocket and securely engaged with the respective sidewall assembly~~[[.]]~~;

respective anchor restraints extending longitudinally along opposite sides of the floor assembly;

each anchor restraint disposed adjacent to one of the sidewall assemblies proximate a respective longitudinal joint formed between the one sidewall assembly and the floor assembly;

cargo anchors disposed within the floor assembly only at locations proximate a respective opening in each sidewall assembly.

17. (Currently Amended) The ~~insulated~~ boxcar of Claim 16 further comprising the support posts formed from materials selected from the group consisting of steel alloys, aluminum alloys, composite materials and pultrusions and extrusions of these materials.

18. (Currently Amended) The ~~insulated~~ boxcar of Claim 16 further comprising:
a respective backup plate disposed between the first surface of each support post and the associated thermal isolating material; and
a plurality of generally C-shaped channels respectively disposed between the thermal isolating material and the first surface of each sidewall assembly.

19. (Currently Amended) The ~~insulated~~ boxcar of Claim 18 further comprising each pocket extending into one of the generally C-shaped channels.

20. (Currently Amended) A ~~An insulated~~ boxcar comprising:

- a railway car underframe having a floor assembly mounted thereon and attached thereto;
- the railway car underframe and the floor assembly having generally elongated, rectangular configurations;
- a pair of sidewall assemblies mounted on and attached to opposite sides of the railway car underframe;
- a pair of endwall assemblies mounted on and attached to opposite ends of the railway car underframe;
- a roof assembly attached to the sidewall assemblies and the endwall assemblies opposite from the floor assembly;
- each sidewall assembly having an exterior surface and an interior surface;
- a plurality of support posts disposed between the interior surface and the exterior surface of each sidewall assembly;
- a cargo restraining system defined in part by a floor anchor system disposed adjacent to the floor assembly and a plurality of sidewall anchor assemblies disposed within each sidewall assembly;
- portions of the floor anchor system disposed within respective sidewall assemblies;
- each sidewall anchor assembly defined in part by a pocket formed in the interior surface of one of the sidewall assemblies adjacent to one of the support posts; **[[and]]**
- a respective cargo anchor disposed within each pocket~~[[.]]~~ **; and**
- cargo anchors disposed within the floor assembly.**

21. (Currently Amended) The ~~insulated~~ boxcar of Claim 20 further comprising a plurality of thermal insulators disposed between each sidewall anchor assembly and the associated support post to improve heat transfer ratings of the insulated boxcar.

22. (Cancelled)

23. (Currently Amended) The ~~insulated~~ boxcar of Claim 20 further comprising:
each sidewall assembly having an opening formed therein to accommodate a
respective door assembly;

the cargo anchors disposed within the floor assembly proximate the openings in the
sidewall assemblies; and

no other cargo anchors disposed within the floor assembly.

24--29 (Cancelled)

30. (Original) An insulated boxcar comprising:
a box structure defined in part by a pair of sidewall assemblies, a pair of endwall
assemblies, a floor assembly and a roof assembly;

the floor assembly mounted on a railway car underframe;

the sidewall assemblies mounted on the railway car underframe adjacent to respective
longitudinal edges of the floor assembly;

each sidewall assembly having an exterior surface and an interior surface with
insulating materials disposed therebetween;

a plurality of support posts disposed between the interior surface and the exterior
surface of each sidewall assembly;

a respective opening formed in each sidewall assembly to provide access to interior
portions of the box structures;

portions of a load restraint system disposed within each sidewall assembly;

cargo anchors disposed within the floor assembly only at locations proximate the
respective opening in each sidewall assembly; and

no cargo anchors disposed within other portions of the floor assembly.

31. (Original) An insulated boxcar comprising:
a box structure defined in part by a pair of sidewall assemblies, a pair of endwall assemblies, a floor assembly and a roof assembly;
the floor assembly mounted on a railway car underframe;
the sidewall assemblies mounted on the railway car underframe the floor assembly;
a respective opening formed in each sidewall assembly to provide access to interior portions of the box structures;
cargo anchors disposed within the floor assembly at locations proximate the respective opening in each sidewall assembly; and
a drain system coupled with the cargo anchors disposed in the floor assembly to allow removal of water and any other liquid collected in the cargo anchors.

32. (Original) The insulated boxcar of Claim 31 further comprising:
the cargo anchors defined in part by an elongated cargo anchor plate attached with adjacent portions of the railway car underframe proximate the opening in each sidewall assembly;
a plurality of openings formed in each plate for use in securing lading at a desired location within the insulated boxcar;
the drain system defined in part by a generally U shaped channel attached with each cargo anchor plate to form a cargo anchor cavity communicating with the respective openings in each plate; and
at least one opening formed in the generally U shaped channel to allow water and other liquids to drain from the cargo anchor cavity.

33. (Original) The insulated boxcar of Claim 32 wherein the drain system further comprises:

- respective openings formed in the cargo anchor cavity adjacent to each end thereof;
- a first metal pipe securely engaged with each opening;
- a respective second pipe formed from composite materials engaged with each first pipe for use in communicating water and other liquids from the cargo anchor cavity; and
- a cap releasably engaged with one end of each second pipe opposite from the cargo anchor cavity.

34. (New) The insulated boxcar of Claim 30 further comprising a temperature controlled railway car.

35. (New) The boxcar of Claim 20 selected from the group consisting of a temperature controlled railway car, an uninsulated boxcar or an insulated boxcar.